

MERCY JUNIOR COLLEGE Grade 11 Physical Science Midterm Exam

NAME:	
YEAR LEVEL & SECTION:	
TEACHER'S NAME:	
PROCTOR'S NAME:	

I. MULTIPLE CHOICE

INSTRUCTION: Encircle the letter of the correct answer. (1 POINT EACH)

It is a subatomic particle, symbol e- or

β-, with a negative elementary electric charge.

- A. Meutinon
- 8. Electron
- C. Proton
- D. Atom
- It is the smallest constituent unit of ordinary matter that has the properties of a chemical element.
 - A. Neutron
 - B. Electron
 - C. Proton
 - D. Atom
- It is a subatomic particle, symbol p or p+, with a positive electric charge of +1e elementary charge and mass slightly less than that of a neutron.
 - A. Neutron
 - Electron
 - C. Protom
 - D. Atom.
- It is a subatomic particle, symbol n or nO, with no net electric charge and a mass slightly larger than that of a proton.
 - A. Neutron
 - 8. Electron
 - C. Proton
 - D. Atom.
- 5. What type of nuclear reaction is this?



- A. Alpha Decay
- B. Beta Decay
- C. Gamma Ray
- D. No nuclear reaction

- It is a type of radioactive decay in which an atomic nucleus emits an alpha particle and thereby transforms or 'decays' into an atom with a mass number that is reduced by four and an atomic number that is reduced by two
 - A. Alpha Decay
 - B. Beta Decay
 - C. Gamma Ray
 - D. Radiation
- It is a type of radioactive decay in which a beta ray (fast energetic electron or positron) and a neutrino are emitted from an atomic nucleus.
 - A. Alpha Decay
 - B. Beta Decay
 - C. Gamma Ray
 - D. Radiation
- 8. What type of nuclear reaction is this?

$$30 \text{ Sr} \longrightarrow 30 \text{ V} + .9e$$
 $230 \text{ Np} \longrightarrow 232 \text{ Pu} + .9e$
 $247 \text{ Am} \longrightarrow 247 \text{ Cm} + .9e$
 $35 \text{ Br} \longrightarrow 36 \text{ Kr} + .9e$
 $35 \text{ Br} \longrightarrow 36 \text{ Kr} + .9e$
 $32 \text{ Tc} \longrightarrow 34 \text{ Ru} + .9e$

- A. Alpha Decay
- B. Beta Decay
- C. Gamma Ray
- D. No nuclear reaction
- In atomic physics and quantum chemistry, the electron configuration is the distribution of electrons of an atom or molecule in atomic or molecular orbitals.
 - A. Electron Configuration
 - B. Periodic Table of Elements
 - C. Orbital Models
 - D. Emergy Levels
- 10. What type of nuclear reaction is this?

$$^{235}_{92}U \rightarrow {}^{4}_{2}He + {}^{231}_{99}Th$$

- A. Alpha Decay
- B. Beta Decay
- C. Gamma Ray
- D. No nuclear reaction

Physical Science 2june Exam Paper 1

VM Jensen

Physical Science 2june Exam Paper 1:

This book delves into Physical Science 2june Exam Paper 1. Physical Science 2june Exam Paper 1 is an essential topic that must be grasped by everyone, ranging from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Physical Science 2june Exam Paper 1, encompassing both the fundamentals and more intricate discussions.

- 1. This book is structured into several chapters, namely:
 - Chapter 1: Introduction to Physical Science 2june Exam Paper 1
 - Chapter 2: Essential Elements of Physical Science 2june Exam Paper 1
 - Chapter 3: Physical Science 2june Exam Paper 1 in Everyday Life
 - \circ Chapter 4: Physical Science 2june Exam Paper 1 in Specific Contexts
 - ∘ Chapter 5: Conclusion
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- 3. In chapter 2, the author will delve into the foundational concepts of Physical Science 2june Exam Paper 1. The second chapter will elucidate the essential principles that must be understood to grasp Physical Science 2june Exam Paper 1 in its entirety.
- 4. In chapter 3, this book will examine the practical applications of Physical Science 2june Exam Paper 1 in daily life. The third chapter will showcase real-world examples of how Physical Science 2june Exam Paper 1 can be effectively utilized in everyday scenarios.
- 5. In chapter 4, this book will scrutinize the relevance of Physical Science 2june Exam Paper 1 in specific contexts. The fourth chapter will explore how Physical Science 2june Exam Paper 1 is applied in specialized fields, such as education, business, and technology.
- 6. In chapter 5, this book will draw a conclusion about Physical Science 2june Exam Paper 1. This chapter will summarize the key points that have been discussed throughout the book.
 - The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. It is highly recommended for anyone seeking to gain a comprehensive understanding of Physical Science 2june Exam Paper 1.

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